

Deborah Orbach Raphael

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PROGRAM DIRECTOR, SAN FRANCISCO DEPARTMENT OF THE ENVIRONMENT

www.sfenvironment.org

1999 – Present

Science driven pragmatic reformer with excellent team building and communication skills. Developed broad coalitions including business leaders, industry representatives, community activists, government agencies, and local commissions to create groundbreaking environmental initiatives

ENVIRONMENTAL INITIATIVES

- ◆ **GREEN BUILDING:** Built coalition that resulted in adoption of a model ordinance requiring that all private sector construction achieve an environmental standard of either LEED or Green Point Rating.
- ◆ **PESTICIDES:** Award winning ordinance and program resulting in 90% reductions in herbicide applications and elimination of most toxic products on public property. Used as a model across the country in public institutions and school districts.
- ◆ **GREEN BUSINESS:** Developed and implemented the most stringent public sector standards for certifying business environmental performance around water and energy conservation, toxics reduction, transportation, and waste reduction/recycling.
- ◆ **ENVIRONMENTALLY PREFERABLE PURCHASING:** Developed science based criteria driven paradigm for selecting products and services based on environmental and health attributes, price and performance.
- ◆ **PRECAUTIONARY PRINCIPLE:** Internationally recognized architect of San Francisco's groundbreaking policy for environmental decision-making in the face of scientific uncertainty.
- ◆ **CHILDREN'S HEALTH:** Developed policy behind legislative bans on toxic chemicals in consumer products including: Phthalates in children's products, Mercury fever thermometers, and BPA in baby bottles.
- ◆ **GREEN CHEMISTRY:** Led statewide effort to reformulate consumer products through product re-design, incentives, and consumer right to know initiatives.
- ◆ **POLLUTION PREVENTION:** National leader in collection of household hazardous waste. Prevention of mercury discharge to San Francisco Bay by regulating Dentists. Science-driven policy to ban use of Arsenic Treated Wood on City property.

LEADERSHIP

CHAIR, State of CA Green Ribbon Science Panel on Green Chemistry

CHAIR, State of CA Taskforce: Energy Efficient Lighting/Mercury Reduction

ADVISOR, Marin County Board of Supervisors, Integrated Pest Management

SENIOR ENVIRONMENTAL PROGRAM MANAGER, City of Santa Monica 1993-1999

- ◆ Reported to Division Director and Task Force on the Environment on Toxics Reduction and Pollution Prevention initiatives for City of 90,000 residents.
- ◆ Created coalition of local chamber of commerce, business owners, and City Council to craft Consumer Right to Know Ordinance that required businesses to identify products containing hazardous ingredients.
- ◆ Partnered with local Arts programs to initiate an Environmental Arts Festival which attracts 15,000 participants and is now an annual event for the City.
- ◆ Developed first municipal Integrated Pest Management Program in the country and served as key advisor to Los Angeles Unified School District on IPM policy.
- ◆ Pioneered implementation of Environmentally Preferable Purchasing that became the national model.
- ◆ Managed professional staff and created successful fund raising program

EXHIBIT DESIGNER, Exploratorium Museum 1987-1993

- ◆ Developed state of the art interactive exhibits and published regularly in public interest magazine

BIOLOGY AND COMPUTER SCIENCE INSTRUCTOR, San Francisco University High School 1985-1987

- ◆ Prepared highly regarded course materials and led environmental fieldtrips across California

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES: M.A. Physiological Plant Ecology

- ◆ Awards in research, teaching, and departmental service. "All But Dissertation" for PhD.

UNIVERSITY OF CALIFORNIA, BERKELEY: B.A. Biology/Ecology

- ◆ Graduated with honors, Smithsonian and National Science Foundation Fellow

AWARDS

- ◆ President Biology Graduate Student Association
- ◆ Buell Award for National Graduate Student Research – Ecological Society of America
- ◆ Integrated Pest Management Innovator Awards (for programs in both the City of Santa Monica and City/County of San Francisco) – California Department of Pesticide Regulation
- ◆ Environmental Pioneer - US Environmental Protection Agency
- ◆ Environmental Advocate of the Year – Western Regional Pollution Prevention Assoc.
- ◆ Environmental Achievement Award - Renew America Council for Environmental Sustainability
- ◆ Pioneer Award – National Precautionary Principle Conference
- ◆ Personal Achievement & Program Excellence – California Environmental Protection Agency
- ◆ Personal Achievement Award - North American Hazardous Materials Management Association
- ◆ Innovative Program Award – California Integrated Waste Management Board

REFERENCES: Available upon request